

NOVEMBER/DECEMBER 2025
23UEEL32A — PROGRAMMING IN C

Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL the questions



1. What are called C constants?
2. Write C expression for given below
$$\frac{(m+n)(x+y)}{a+b}$$
3. Define recursion.
4. Compare forward and backward jump.
5. What is an array?
6. Write the syntax of two dimensional arrays.
7. What is a pointer?
8. How is a pointer initialized?

9. Define structure.
10. Write the purpose of size of structures.

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL the questions.

11. (a) Write about keywords and identifiers in C.

Or

- (b) Explain Formatted Input Statement.

12. (a) Explain For loop with an example.

Or

- (b) Explain Nested if...else statement.

13. (a) Discuss about one-dimensional array with an example.

Or

- (b) Write a short notes on multidimensional array.

14. (a) Discuss about pointers with arrays.

Or

- (b) How can you initialize a pointers?

15. (a) Write a short notes on Union.

Or

- (b) How does a structure differ from an array?

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Discuss about different types of operators in C.

17. Explain switch statement with an example.

18. Write a C program to print multiplication table.

19. Give in detail about pointers and arrays in C.

20. Explain about arrays of structure with an example.